

Title: **FACILITATING TRANSMISSION OF A PACKET IN  
ACCORDANCE WITH A NUMBER OF TRANSMIT  
BUFFERS TO BE ASSOCIATED WITH THE PACKET**

**ABSTRACT OF THE DISCLOSURE**

According to some embodiments, a processing element arranges for a packet to be transmitted through a port without storing a packet identifier in a local transmit queue if a number of transmit buffers to be associated with the packet does not exceed a pre-determined threshold.